

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number  
WO 2004/028381 A1

(51) International Patent Classification<sup>7</sup>: A61B 17/32

(21) International Application Number:  
PCT/SE2003/001451

(22) International Filing Date:  
17 September 2003 (17.09.2003)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:  
0202817-3 25 September 2002 (25.09.2002) SE

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

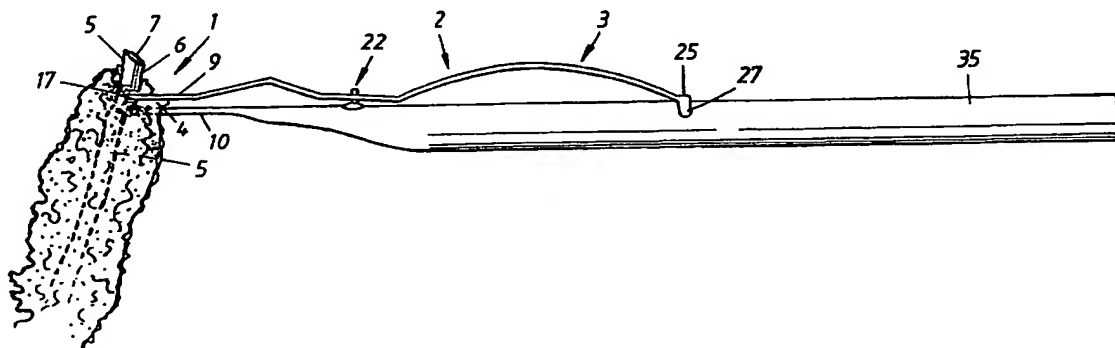
(71) Applicant and  
(72) Inventor: ASTUDILLO LEY, Rafael [SE/SE]; Rid-  
darvägen 27 B, S-181 32 Lidingö (SE).

(74) Agent: L-O LUNDQUIST PATENTBYRÅ AB; Box 80,  
S-651 03 Karlstad (SE).

Published:  
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ARTERY HOLDER



(57) Abstract: An artery holder for use in connection with heart surgery, which has a gripping and fixing member (1) having two co-operating first and second clamp elements (9, 10) which are arranged to grip muscle tissue (4) around an artery (5) in connection with its cut end (7) and clamp muscle tissue while simultaneously fixing the artery and exposing its cut end. Furthermore, the artery holder has a spring member (2) to actuate the gripping and fixing member with a predetermined spring force in order to clamp the muscle tissue, and an actuating member (3) to actuate the gripping and fixing member against the action of the spring force from the spring member in order to open the clamp elements for receiving muscle tissue therebetween and subsequent release of clamped muscle tissue.

WO 2004/028381 A1